



新北市汐止區新台五路一段75號6樓之二

6F-2, No.75, Sec.1, Xintai 5th Rd., Xizhi-Dist., New Taipei City 221, Taiwan, R.O.C. TEL 886 2 2698 7028 FAX 886 2 2698 7078 WEBSITE www.attend.com.tw

SPECIFICATION AND PERFORMANCE

Series	217C-CB09	File	217C-CB09_Spec_1	Date	2024/01/25
--------	-----------	------	------------------	------	------------

Scope:

This specification covers the requirements for product performance, test methods and quality assurance provisions of 217C-CB09

Performance and Descriptions:

The product is designed to meet the electrical, mechanical and environmental performance requirements specification. Unless otherwise specified, all tests are performed at ambient environmental conditions.

RoHS:

All material in according with the RoHS environment related substances list controlled.

MATERIALS					
NO.	PART NAME	DESCRIPTION			
1	HOUSING	LCP, UL94V-0, Black			
2	CONTACT	Copper alloy, 3u" gold plating on contact area, gold flash on solder area, nickel under plating over all			
3	MID PLATE	Stainless Steel, 0.15t			
4	SHELL	Stainless Steel, 0.25t Nickel plating			
5	OVERMOLD	PA9T, UL94V-0, Black			
6	GLUE	EPOXY			

RATING		
Rated Current	5A	
Rated Voltage	20VAC Max.	
Operating Temperature	-40°C to +85°C	
Durability	10,000 cycles	

ELECTRICAL			
Item	Requirement	Test Condition	
Low level Contact resistance	$40m\Omega$ max(initial) $10m\Omega$ max change for post test	Subject mated contacts assembled in housing to 20mV max open circuit at 100mA max. EIA-364-23B	
Dielectric withstanding voltage	No flashover& spark over & excess leakage & breakdown	Test voltage 100V AC between adjacent contacts of mated and unmated connector assemblies for one minute. Interval of shield case and contacts too, in the same way EIA-364-20B	



立威科技股份有限公司 Attend Technology Inc.

新北市汐止區新台五路一段75號6樓之二

6F-2, No.75, Sec.1, Xintai 5th Rd., Xizhi-Dist., New Taipei City 221, Taiwan, R.O.C. TEL 886 2 2698 7028 FAX 886 2 2698 7078 WEBSITE www.attend.com.tw

Insulation resistance $\begin{array}{c} \text{Initial: 100 M}\Omega \text{ min.} \\ \text{Final(post test) 100 M}\Omega \\ \text{min.} \end{array}$	Test voltage 100±10V DC between adjacent contacts of mated and unmated connector assemblies interval of shield case and contacts too in the same way. EIA-364-21C
---	---

MECHANICAL			
Item	Requirement	Test Condition	
Mating force	0.5~2Kgf	Measure force necessary to mate connector assemblies at maximum rate of 30cycles/min. EIA-364-13	
Unmating force	0.8~2Kgf	Measure force necessary to mate connector assemblies at maximum rate of 30cycles/min. EIA-364-13	
Durability	Mating force: 0.5~2Kgf Unmating force: 0.8~2Kgf Contact resistance:10mΩ max change for post test appearance :no breakdown	Mate and unmated connector assemblies for 10,000 cycles at. Cycle rate of 500 cycles per hour if done EIA-364-09	

ENVIRONMENTAL			
Item Requirement		Test Condition	
Thermal shock	Contact resistance: $10m\Omega$ max Change for post test	Mated connector -40±3°C(30minutes),+85±2°C(30minutes) Perform this 1 cycle ,repeat 10 cycles EIA-364-32C condition 1	
Humidity	Withstand voltage: no breakdown Insulation resistance: $100~\text{M}\Omega$ Min. Contact resistance: $10\text{m}\Omega$ max. change for post test Appearance :no breakdown	Mated connector 25~65°C, 90~95% RH, 1 cycle:24 hours, 4cycles EIA-364-31B	
Degree of protection	No significant change in pressure < 30 Pa	Test pressure: 15kPa~17kPa Test duration: 5 second	

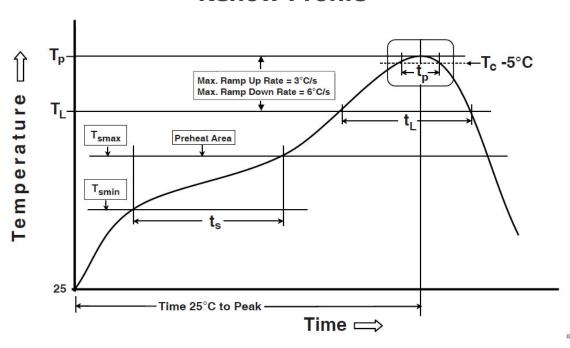
SOLDER ABILITY			
Item	Requirement	Test Condition	
Solder-ability	Solder tails shall pass 95% min coverage	Solder temperature:265±5°C Duration:15±0.5sec .EIA-364-52	



新北市汐止區新台五路一段75號6樓之二

6F-2, No.75, Sec.1, Xintai 5th Rd., Xizhi-Dist., New Taipei City 221, Taiwan, R.O.C. TEL 886 2 2698 7028 FAX 886 2 2698 7078 WEBSITE www.attend.com.tw

Reflow Profile



Preheating temperature: 150 \sim 200°C, 60 \sim 120 seconds Liquidus temperature (TL): 217°C, 60 \sim 150 seconds

Peak temperature: 260°C

Time within 5 °C of peak temperature (Tc): 255°C, 30seconds